

The diagram illustrates a CDMA communication system architecture. At the bottom, three mobile stations are shown: a single handset (2), a pair of handsets (4), and a laptop computer (4). Each mobile station is connected to a corresponding base station (14) via a radio link (12). The base stations are connected to a central processing unit (22) via a TDMA Data Pipe (20). The central processing unit is connected to a network (24). The diagram shows the flow of data from the mobile stations through the base station and central processing unit to the network. The central processing unit also manages the allocation of CDMA codes (6, 10, 10') to the mobile stations. The network (24) is represented by a cloud with multiple antennas, and the TDMA Data Pipe (20) is shown as a series of rectangular pulses.

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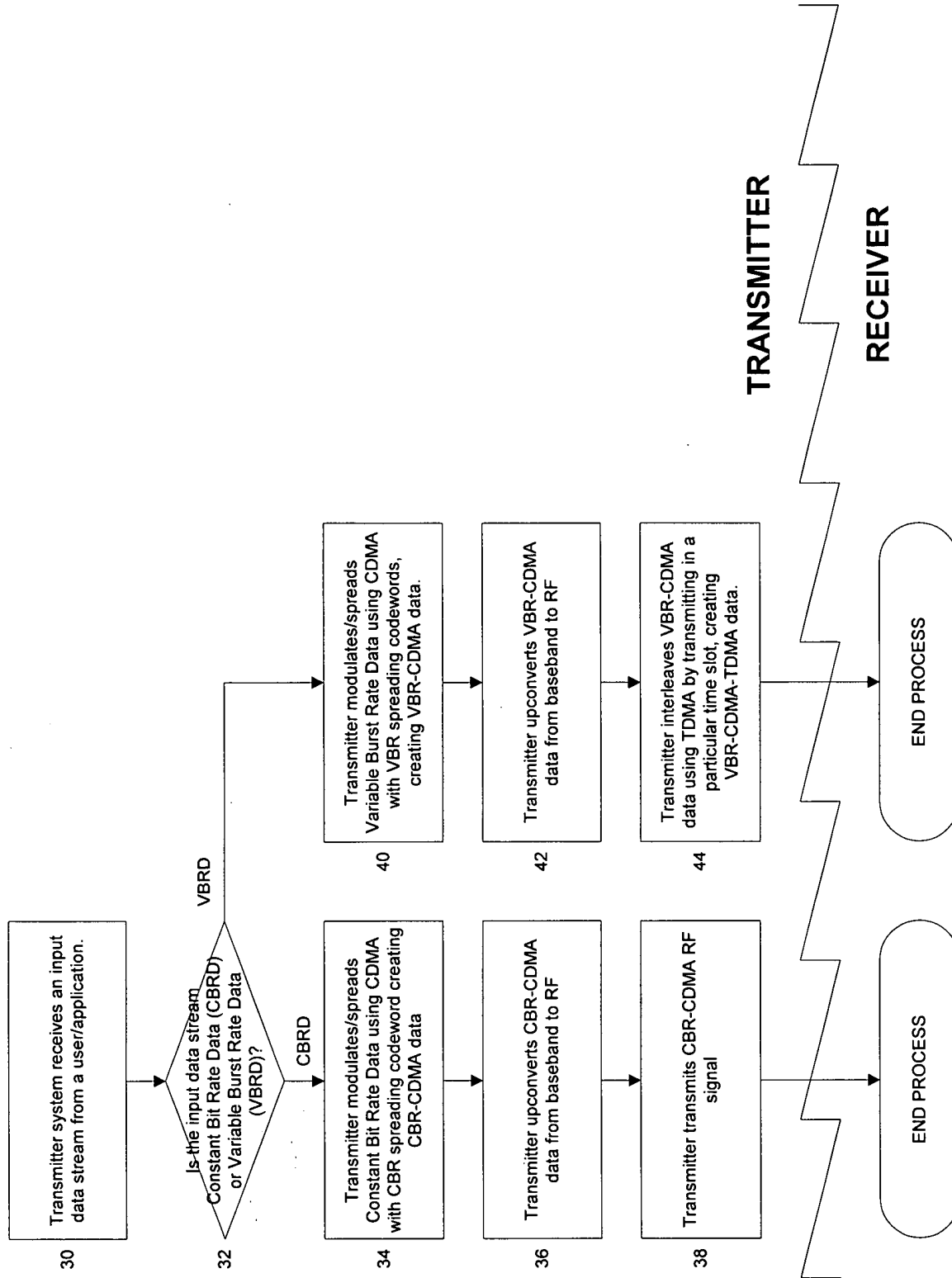


FIG. 2

FIG. 3

FROM TRANSMITTER

TRANSMITTER

RECEIVER

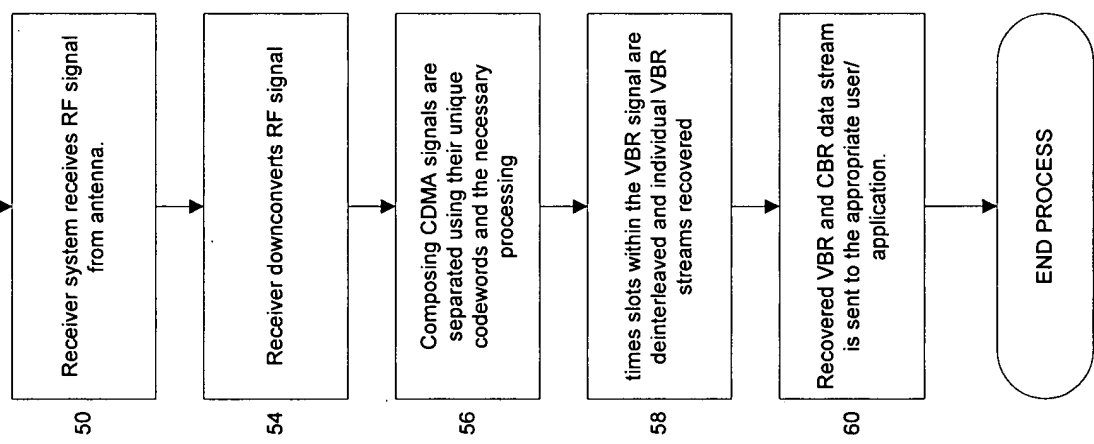


FIG. 3

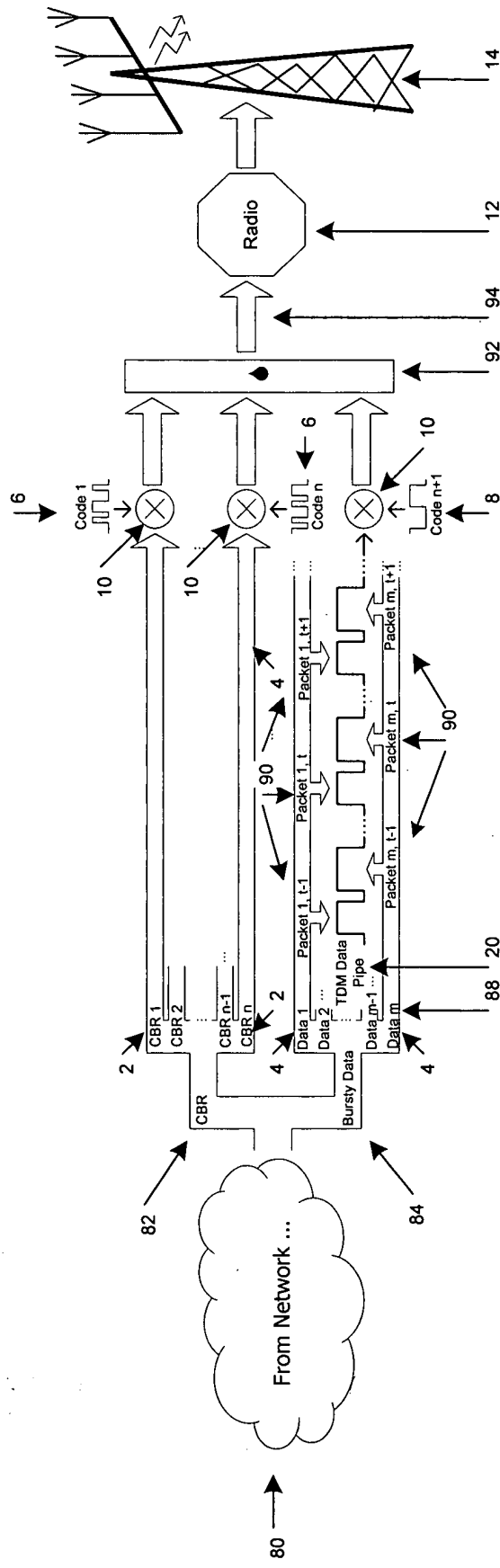


FIG. 4

FIG. 5 is a block diagram of a transmitter system and a receiver system. The transmitter system includes a transmitter 100, a transmitter 102, a transmitter 104, a transmitter 106, a transmitter 108, and a transmitter 110. The receiver system includes a receiver 112. The transmitter system and the receiver system are connected by a communication link 114.

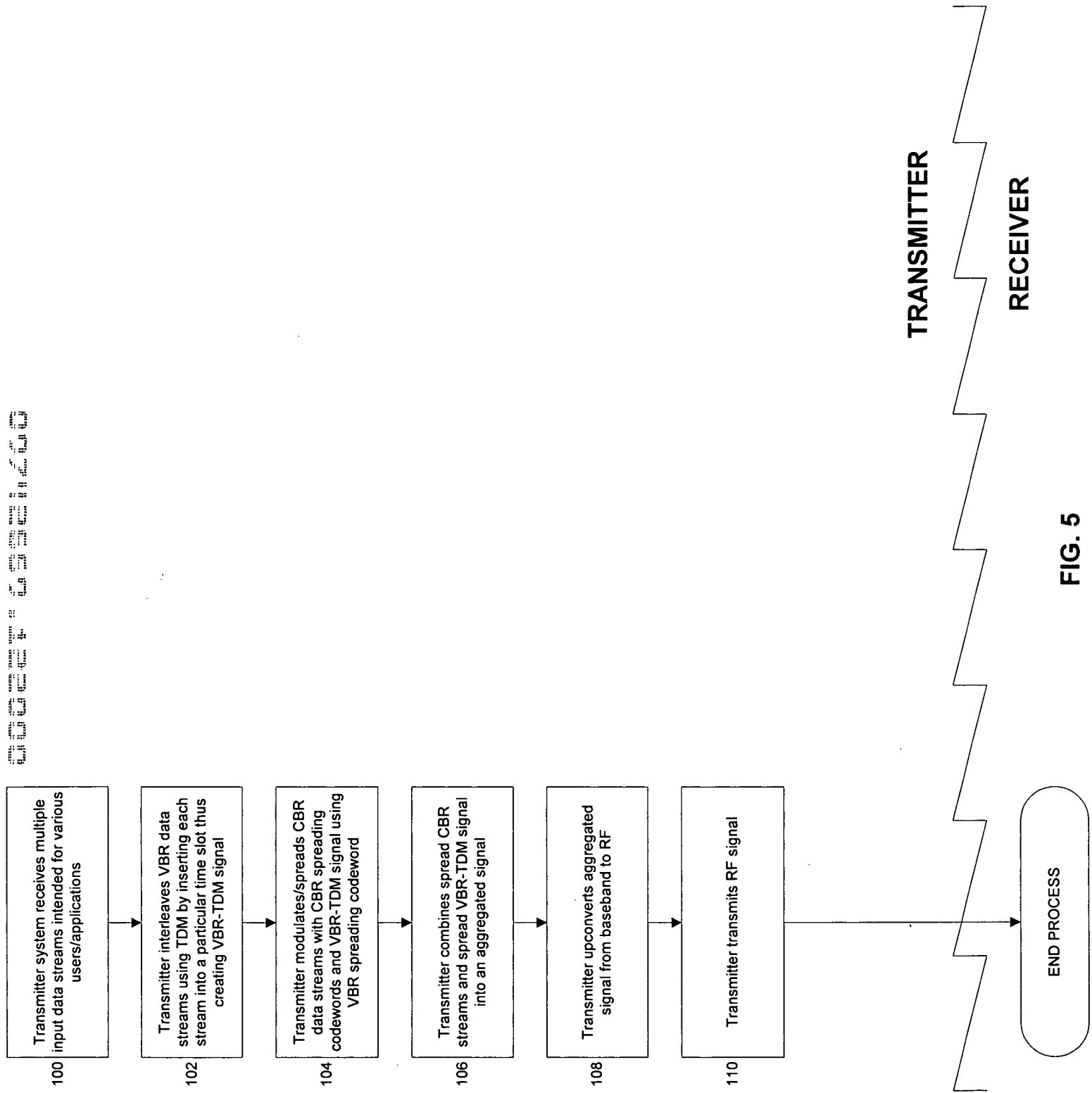


FIG. 5

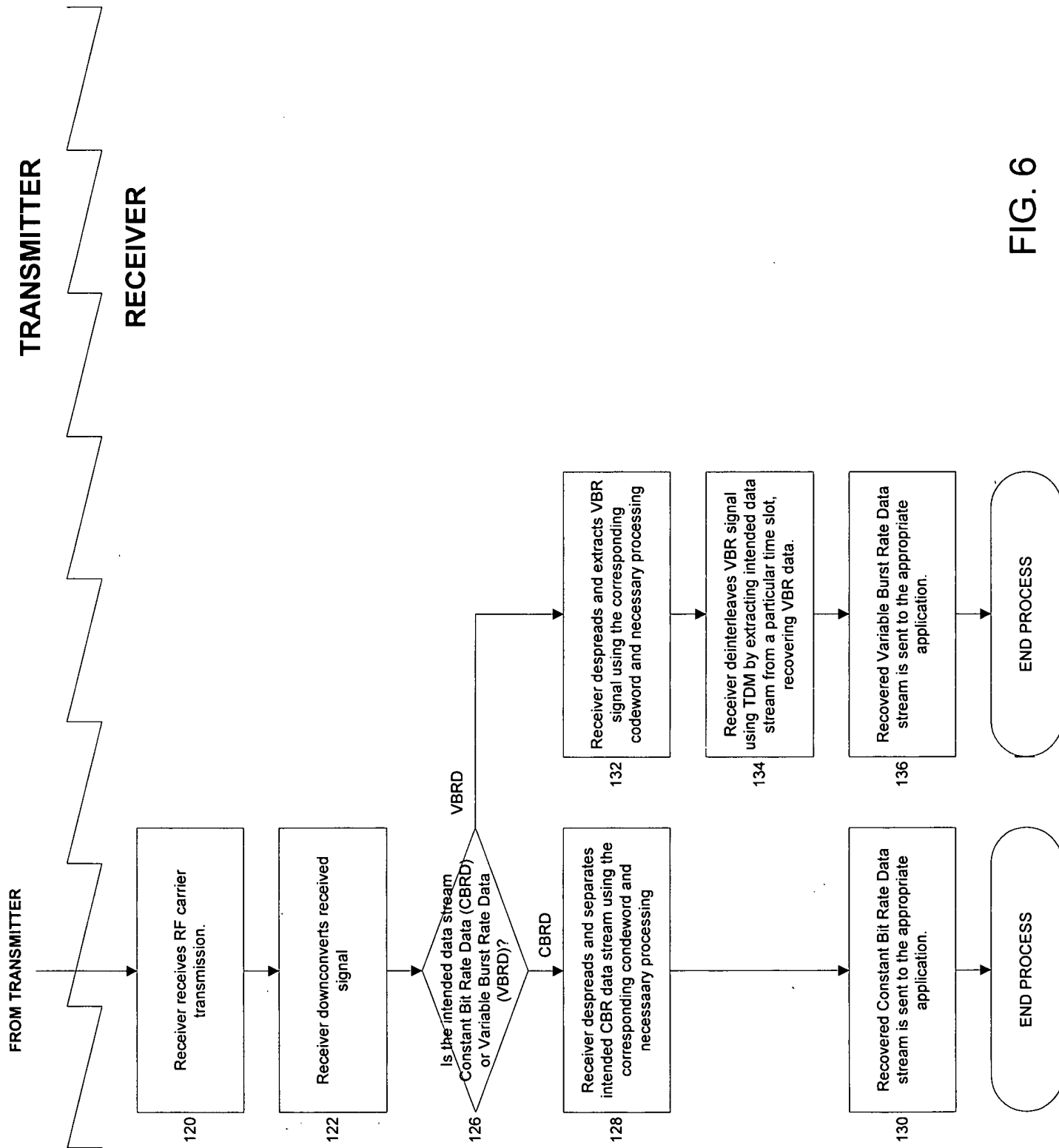


FIG. 6